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(54) LUBRICANT BASE OIL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide lubricant base oil excellent in water solubility, lubricating property and thermal stability and lubricating oil composition composed of the base oil to which additive ingredients are added.

SOLUTION: This lubricating base oil contains polyether which is expressed in the general formula below, has HLB ≥ 8.5 and has the weight-average molecular weight of 500-10,000. $R1-[(O-CH_2CH_2CH_2CH_2)_m/(O-A)_n]-OR_2]_p$ (wherein R1 is a mono-, di- or trivalent 1-24C hydrocarbon group; R2 is a 1-4C alkyl group; A is one or more of those selected from 1-4C alkylene groups except for 1,4- butylene; p is an integer of 1-3; and m and n are each an integer ≥ 1 which satisfies weight-average molecular weight of the polyether (E) being 500-10,000).